

LUXO- σ^{54} INTERACTIONS AND METHODS OF USE

ABSTRACT

The invention relates to the identification and isolation of a novel sigma 54 (σ^{54}) transcription factor from *Vibrio harveyi*. The invention further relates to the identification of σ^{54} interactions with LuxO. More particularly, the invention provides methods for identifying compounds that regulate bacterial cell growth and virulence by regulating LuxO- σ^{54} activities.

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